

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims:

1. (currently amended) A method for intermediate to large scale production in a semi-solid culture medium of stock compositions of bacteriophage having a titer of at least  $10^{11}$  pfu/ml and a total yield of at least  $10^{15}$  total pfu comprising:

[[a.]] (a) growing bacteriophage in a semi-solid culture medium comprising a pre-incubated mixture of at least one bacterial strain and at least one phage type further comprising hydrocolloid at a concentration below 0.5%;

[[b.]] (b) incubating the semi-solid culture medium to reach bacterial lysis, thereby obtaining a phage lysate; and

[[c.]] (c) extracting a crude bacteriophage extract from the semi-solid culture medium, using an extraction medium.

2. (Original) The method according to claim 1, wherein the volume of the semi-solid culture medium is in the range of 1-20 liters.

3. (Original) The method according to claim 1, wherein the volume of the extraction medium is in the range of 20 to 100 fold the volume of the semi-solid culture medium.

4. (Original) The method according to claim 1, wherein the semi-solid culture medium comprises a hydrocolloid at a concentration below 0.3%.

5. (Original) The method according to claim 1, wherein the semi-solid culture medium comprises a hydrocolloid at a concentration of 0.25%-0.30%.

6. (Original) The method according to claim 1, wherein the hydrocolloid is selected from the group consisting of agar, agarose, starch, pectin, carrageenan, alginate, gelatin, gellan, konjak mannan, xanthan and gum, and combinations thereof.

7. (Original) The method according to claim 6, wherein the hydrocolloid is agar.

8. (currently amended) The method according to claim 1, wherein the pre-incubated mixture comprises bacteria and bacteriophage at a ratio of from about  $10^8$  to about  $10^9$  bacterial colony forming units to one bacteriophage plaque, ~~further comprises a rich medium.~~
9. (Original) The method according to claim 1, wherein the crude bacteriophage extract is obtained by sequential serial extractions.
10. (Original) The method according to claim 1, wherein the semi-solid culture medium is supported by a solid phase.
11. (Original) The method according to claim 10, wherein the semi-solid culture medium is layered on top of a first supportive solid phase bottom layer to form a second top layer.
12. (previously presented) The method according to claim 10 wherein the solid phase comprises a hydrocolloid at a concentration range of 1.0-2.0%.
13. (Original) The method according to claim 12 wherein the solid phase comprises agar at a concentration range of 1.0-2.0%.
14. (previously presented) The method according to claim 10 wherein the volume of the solid phase is from about two to about ten fold the total volume of the semi-solid culture medium that it is intended to support.
15. (Original) The method according to claim 1 wherein the titer of the crude bacteriophage extract is at least  $10^{11}$  pfu/ml.
16. (Original) The method according to claim 1 wherein the titer of the crude bacteriophage extract is in a range of  $5 \times 10^{11}$  to  $10^{12}$  pfu/ml.
17. (previously presented) The method according to claim 1 wherein the bacteriophage yield is at least in the order of magnitude of  $10^{15}$  to  $10^{16}$  total pfu.

18 (Original) The method according to claim 1 further comprising purifying the crude bacteriophage extract to obtain a bacteriophage stock composition by a method selected from the group consisting of fractionation by PEG, CsCl gradient centrifugation, filtration, ultra-filtration, and column chromatography.

19. (Original) The method according to claim 18 wherein the purified bacteriophage stock composition is lyophilized.

20-43. (canceled)

44. (previously presented) The method according to claim 11 wherein the solid phase comprises a hydrocolloid at a concentration range of 1.0-2.0%.

45. (previously presented) The method according to claim 44 wherein the solid phase comprises agar at a concentration range of 1.0-2.0%.

46. (previously presented) The method according to claim 11 wherein the volume of the solid phase is from about two to about ten fold the total volume of the semi-solid culture medium that it is intended to support.

47. (previously presented) The method according to claim 12 wherein the volume of the solid phase is from about two to about ten fold the total volume of the semi-solid culture medium that it is intended to support.

48. (previously presented) The method according to claim 13 wherein the volume of the solid phase is from about two to about ten fold the total volume of the semi-solid culture medium that it is intended to support.

49. (previously presented) The method according to claim 44 wherein the volume of the solid phase is from about two to about ten fold the total volume of the semi-solid culture medium that it is intended to support.

50. (canceled)

51. (new) The method according to claim 45, wherein the volume of the solid phase is from about two to about ten fold the total volume of the semi-solid culture medium that it is intended to support.

52. (new) The method according to claim 8, wherein the pre-incubated mixture further comprises a rich medium.